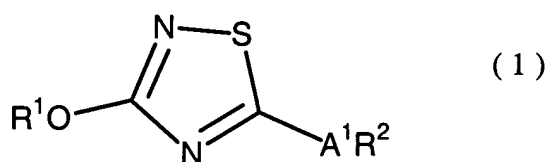


### Amendments to and listing of the Claims:

Please amend claims 3-5 and add new claims 9, 10 and 11 as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A 1,2,4-thiadiazole compound represented by the formula (1):



wherein, R<sup>1</sup> represents C3-C7 alkynyl that may be substituted with halogen atom; R<sup>2</sup> represents C3-C8 cycloalkyl, C5-C8 cycloalkenyl or C7-C11 bicycloalkyl, wherein the C3-C8 cycloalkyl, the C5-C8 cycloalkenyl and the C7-C11 bicycloalkyl may be substituted with a substituent(s) selected from a group of C1-C4 alkyl, halogen atom and trifluoromethyl; A<sup>1</sup> represents a single bond, C1-C2 alkylene or C2-C3 alkylidene.

2. (Original) The 1,2,4-thiadiazole compound according to claim 1, wherein R<sup>2</sup> is C3-C8 cycloalkyl which may be substituted with C1-C4 alkyl in the formula (1).

3. (Currently Amended) The 1,2,4-thiadiazole compound according to claim 1 [~~or 2~~], wherein A<sup>1</sup> is single bond in the formula (1).

4. (Currently Amended) The 1,2,4-thiadiazole compound according to claim 1 [~~or 2~~], wherein A<sup>1</sup> is C1-C2 alkylene in the formula (1).

5. (Currently Amended) The 1,2,4-thiadiazole compound according to claim 1 [~~or 2~~], wherein R<sup>1</sup> is 2-butynyl or 2-pentynyl in the formula (1).

6. (Original) An arthropod controlling composition comprising the 1,2,4-thiadiazole compound according to claim 1 and an inert carrier.

7. (Original) A method for controlling arthropod pests comprising applying an effective dose of the 1,2,4-thiadiazole compound according to claim 1 to the arthropod pests or habitat of the arthropod pests.

8. (Original) Use of the 1,2,4-thiadiazole compound according to claim 1 for the arthropod pests controlling composition.

9. (New) The 1,2,4-thiadiazole compound according to claim 2, wherein A<sup>1</sup> is

single bond in the formula (1).

10. (New) The 1,2,4-thiadiazole compound according to claim 2, wherein A<sup>1</sup> is C1-C2 alkylene in the formula (1).

11. (New) The 1,2,4-thiadiazole compound according to claim 1, wherein R<sup>1</sup> is 2-butynyl or 2-pentynyl in the formula (1).